



IFWO

RAW SEQUENCE LISTING

DATE: 08/03/2004

PATENT APPLICATION: US/10/759,832

TIME: 14:08:07

Input Set : A:\1102865-0059CIP.ST25.txt

Output Set: N:\CRF4\08032004\J759832.raw

3 <110> APPLICANT: Aphton Corporation
 5 <120> TITLE OF INVENTION: Liposomal Vaccine
 7 <130> FILE REFERENCE: 1102865-0059CIP
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/759,832
 C--> 9 <141> CURRENT FILING DATE: 2004-01-15
 9 <150> PRIOR APPLICATION NUMBER: 60/394,179
 10 <151> PRIOR FILING DATE: 2002-07-03
 12 <150> PRIOR APPLICATION NUMBER: 10/613,377
 13 <151> PRIOR FILING DATE: 2003-07-03
 15 <160> NUMBER OF SEQ ID NOS: 20
 17 <170> SOFTWARE: PatentIn version 3.2
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 17
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 25 <220> FEATURE:
 26 <221> NAME/KEY: MOD_RES
 27 <222> LOCATION: (1)..(1)
 28 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
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 33 1 5 10 15
 36 Phe
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 41 <211> LENGTH: 18
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Homo sapiens
 46 <220> FEATURE:
 47 <221> NAME/KEY: MOD_RES
 48 <222> LOCATION: (1)..(1)
 49 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
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 57 Phe Gly
 61 <210> SEQ ID NO: 3
 62 <211> LENGTH: 5
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Artificial
 66 <220> FEATURE:
 67 <223> OTHER INFORMATION: synthetic
 70 <220> FEATURE:
 71 <221> NAME/KEY: MOD_RES



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72 <222> LOCATION: (1)..(1)
73 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
75 <400> SEQUENCE: 3
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78 1      5
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82 <211> LENGTH: 6
83 <212> TYPE: PRT
84 <213> ORGANISM: artificial
86 <220> FEATURE:
87 <223> OTHER INFORMATION: synthetic
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92 <222> LOCATION: (1)..(1)
93 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
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97 Glu Gly Pro Trp Leu Glu
98 1      5
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102 <211> LENGTH: 7
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial
106 <220> FEATURE:
107 <223> OTHER INFORMATION: synthetic
110 <220> FEATURE:
111 <221> NAME/KEY: MOD_RES
112 <222> LOCATION: (1)..(1)
113 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
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117 Glu Gly Pro Trp Leu Glu Glu.
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122 <211> LENGTH: 8
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial
126 <220> FEATURE:
127 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 1-8 of human
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128      linked to spacer peptide
131 <220> FEATURE:
132 <221> NAME/KEY: MOD_RES
133 <222> LOCATION: (1)..(1)
134 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
136 <400> SEQUENCE: 6
138 Glu Gly Pro Trp Leu Glu Glu Glu
139 1      5
142 <210> SEQ ID NO: 7
143 <211> LENGTH: 9
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial

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147 <220> FEATURE:
148 <223> OTHER INFORMATION: synthetic
151 <220> FEATURE:
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153 <222> LOCATION: (1)..(1)
154 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
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158 Glu Gly Pro Trp Leu Glu Glu Glu Glu
159 1 5
162 <210> SEQ ID NO: 8
163 <211> LENGTH: 10
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167 <220> FEATURE:
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184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial
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193 1 5
196 <210> SEQ ID NO: 10
197 <211> LENGTH: 7
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial
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202 <223> OTHER INFORMATION: synthetic peptide spacer
204 <400> SEQUENCE: 10
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211 <211> LENGTH: 8
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213 <213> ORGANISM: Artificial
215 <220> FEATURE:
216 <223> OTHER INFORMATION: synthetic peptide spacer
218 <400> SEQUENCE: 11
220 Ser Pro Pro Pro Pro Pro Cys
221 1 5

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Input Set : A:\1102865-0059CIP.ST25.txt

Output Set: N:\CRF4\08032004\J759832.raw

224 <210> SEQ ID NO: 12
 225 <211> LENGTH: 22
 226 <212> TYPE: PRT
 227 <213> ORGANISM: Artificial
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 230 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 1-6 of human
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 231 linked to a spacer peptide
 234 <220> FEATURE:
 235 <221> NAME/KEY: MOD_RES
 236 <222> LOCATION: (1)..(1)
 237 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
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 241 Glu Leu Gly Pro Glu Gly Pro Pro His Leu Val Ala Asp Pro Ser Lys
 242 1 5 10 15
 245 Lys Glu Gly Pro Trp Leu
 246 20
 249 <210> SEQ ID NO: 13
 250 <211> LENGTH: 13
 251 <212> TYPE: PRT
 252 <213> ORGANISM: Artificial
 254 <220> FEATURE:
 255 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 1-6 of human
 gastrin 34
 256 linked to a spacer peptide
 259 <220> FEATURE:
 260 <221> NAME/KEY: MOD_RES
 261 <222> LOCATION: (1)..(1)
 262 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
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 267 1 5 10
 270 <210> SEQ ID NO: 14
 271 <211> LENGTH: 13
 272 <212> TYPE: PRT
 273 <213> ORGANISM: Homo sapiens
 275 <400> SEQUENCE: 14
 277 Cys Pro Pro Pro Pro Ser Ser Glu Leu Gly Pro Glu Gly
 278 1 5 10
 281 <210> SEQ ID NO: 15
 282 <211> LENGTH: 9
 283 <212> TYPE: PRT
 284 <213> ORGANISM: Artificial
 286 <220> FEATURE:
 287 <223> OTHER INFORMATION: synthetic
 290 <220> FEATURE:
 291 <221> NAME/KEY: MOD_RES
 292 <222> LOCATION: (1)..(1)
 293 <223> OTHER INFORMATION: PYRROLIDONE CARBOXYLIC ACID
 295 <400> SEQUENCE: 15
 297 Glu His Trp Ser Tyr Gly Leu Arg Pro

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Input Set : A:\1102865-0059CIP.ST25.txt

Output Set: N:\CRF4\08032004\J759832.raw

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298 1          5
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302 <211> LENGTH: 35
303 <212> TYPE: PRT
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306 <220> FEATURE:
307 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 138-145 of human
308      chorionic gonadotrophin hormone linked to a spacer peptide
310 <300> PUBLICATION INFORMATION:
311 <302> TITLE: Antigenic Modification of Polypeptides
312 <310> PATENT DOC NO: U.S. 4,767,842
313 <312> PUBLICATION DATE: 1988-08-30
315 <400> SEQUENCE: 16
317 Asp Asp Pro Arg Thr Glu Asp Ser Ser Ser Ser Lys Ala Pro Pro Pro
318 1          5          10          15
321 Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr Pro Ile
322      20          25          30
325 Leu Pro Gln
326      35
329 <210> SEQ ID NO: 17
330 <211> LENGTH: 16
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial
334 <220> FEATURE:
335 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence of human gastrin 17
336      linked to a spacer peptide
338 <400> SEQUENCE: 17
340 Glu Ser Asp Thr Pro Ile Pro Gln Ser Pro Pro Pro Pro Pro Pro Cys
341 1          5          10          15
344 <210> SEQ ID NO: 18
345 <211> LENGTH: 17
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: synthetic peptide of GnRH amino acid sequence linked to a
spacer
351      peptide
353 <400> SEQUENCE: 18
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356 1          5          10          15
359 Cys
363 <210> SEQ ID NO: 19
364 <211> LENGTH: 17
365 <212> TYPE: PRT
366 <213> ORGANISM: Artificial
368 <220> FEATURE:
369 <223> OTHER INFORMATION: synthetic peptide of amino acid sequence 138-145 of human
370      chorionic gonadotrophin hormone linked to a spacer peptide
373 <220> FEATURE:
374 <221> NAME/KEY: MOD_RES

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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 08/03/2004

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Output Set: N:\CRF4\08032004\J759832.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,15,16,17,18,19,20

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/759,832

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Input Set : A:\1102865-0059CIP.ST25.txt

Output Set: N:\CRF4\08032004\J759832.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date